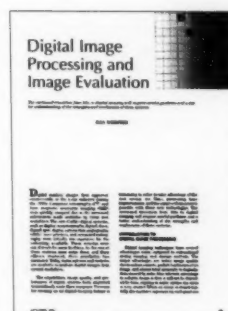
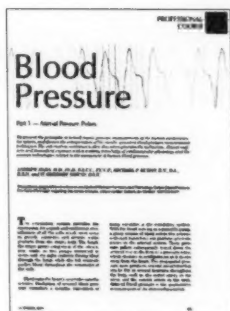
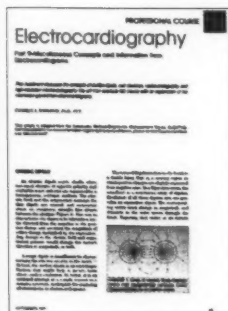


MEDICAL ELECTRONICS' 1995 ANNUAL INDEX

Courses, Articles, Opinions, Buyers Guides



KEY

Number in parentheses is issue number; next is the page number.

(151)148 = Issue 151, Page 148

Issue 151 = February, 1995

Issue 152 = April, 1995

Issue 153 = June, 1995

Issue 154 = September, 1995

Issue 155 = October, 1995

Issue 156 = December, 1995

Professional Courses

Blood Pressure, Part 1—Arterial Pressure Pulses, Andrew R. Nara, M.D., Ph.D., Michael P. Burns, R.N., and W. Gregory Downs, B.S.E., University Hospitals of Cleveland (155)45

Blood Pressure, Part 2—Cardiac Cycle, Andrew R. Nara, M.D., Ph.D., Michael P. Burns, R.N., and W. Gregory Downs, B.S.E., University Hospitals of Cleveland (156)45

Electrocardiography, Part 6—Electrodes and Electrolytes, Charles A. Rawlings, Ph.D., C.C.E. (151)54

Electrocardiography, Part 7—Amplifiers, Charles A. Rawlings, Ph.D., C.C.E. (152)53

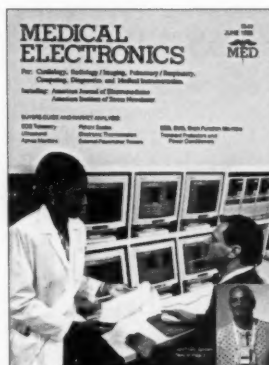
Electrocardiography, Part 8—Displays, Charles A. Rawlings, Ph.D., C.C.E. (153)53

Electrocardiography, Part 9—Miscellaneous Concepts and Information from Electrocardiograms, Charles A. Rawlings, Ph.D., C.C.E. (154)45

Engineering Math—Dynamics, Part 6—Laplace Transformation, Milton Aronson (151)62

Engineering Math—Dynamics, Part 7—Laplace Transformation (continued), Milton Aronson (152)59

Articles



American Journal of Electromedicine

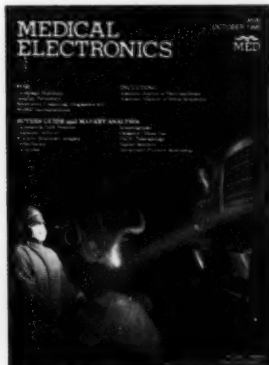
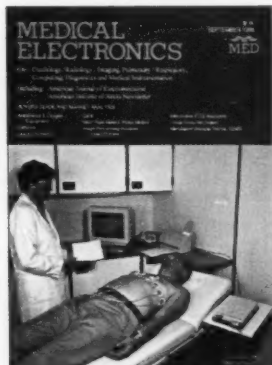
- Anatomy of an Ambulatory Surgery Center, Stanley H. Kornhauser, Ph.D., and Gerald Mazzola, M.S. (152)92
- Assessment of General Anesthesia by Facial Muscle Electromyography (FACE™), Henry L. Bennett, Ph.D., and Stanley H. Kornhauser, Ph.D. (153)94
- Computerized Polysomnography, Ralph J. Ciccone, III, M.D., and Stanley H. Kornhauser, Ph.D. (154)85
- Imaging Extremities with the Magna-SL, Lawrence A. Minkoff, Ph.D., and Stanley H. Kornhauser, Ph.D. (151)88
- Magnets in the Treatment of Chronic Pain, George S. Lechter, B.S., M.S., Michael Bronstein, B.S., and Stanley H. Kornhauser, Ph.D. (152)86
- A New Approach to Treatment for Acoustic Neuromas, Gil Lederman, M.D., and Stanley Kornhauser, Ph.D. (155)79
- Psychiatric Electrophysiology: Medicine's Approach to the "Forgotten Brain", Turan M. Itil, M.D., and Stanley H. Kornhauser, Ph.D., (153)88
- State-of-the-Art Mammography Center, Steven Garner, M.D., and Stanley Kornhauser, Ph.D. (155)87
- Therapeutic Stimulation, Daniel L. Kirsch, Ph.D., D.A.A.P.M., and Stanley H. Kornhauser, Ph.D. (156)78
- Update in Stereotactic Radiosurgery, Gil Lederman, M.D., and Stanley H. Kornhauser, Ph.D. (154)77

The American Institute of Stress

- Are Cardiac Surgeons Going Overboard? (155)89
- Could a Nose Job Ruin Your Sex Life? (151)95
- Does Lowering Cholesterol Always Reduce Heart Attacks? (152)98
- Is There an Upper Limit to the Benefits of Exercise? (151)94
- Job Satisfaction Hits a New Low (155)90
- Low Back Pain and Heart Disease? (152)101
- New Tests for Alzheimer's (154)90
- Preventing and Coping with Holiday Stress (156)86
- Preventing Cancer and Heart Attacks (152)99
- Quality of Life: Does "New" Always Mean "Better"? (153)98
- Quality of Life: Purpose and People vs. Possessions (153)99
- Reducing the Stress of Business Travel (152)98
- Stopping Suicides (154)89
- Stress, Mornings, Mondays and Heart Attacks (152)100

Opinions

- Are My Images Safely Stored?, Chris Hanna, A.L.I. Technologies (155)125
- Choosing the Right Cart Solution, Ben Matteson, Anthro Corporation (154)132
- The Current Status of Static Control, Jan C. Hoigaard, SpectraScan (151)131
- Difficult Industry Trends Demand a New Approach, Frank B. MacPherson, III, KNF Neuberger (152)157
- Digital Technology's Increasing Role in Medical Imaging, Jeff Nelson, 3M Medical Imaging Systems (152)125
- ESD Isn't Going Away, David J. Bermani, Desco Industries (151)129
- Infusion Delivery Systems, Ron Evans, Datrend Systems (152)159
- MR Applications Drive Technological Advances, Michael C. Sweitzer, Siemens Medical Systems (151)110
- The Need for Dose-Area-Product Meters, Melvin P. Siedband, Ph.D., P.E., Gammex RMI (151)108
- The New Generation of Patient Weighing Systems, Allen W. Hessel, Scale-Tronix Inc. (153)135
- Power Quality Observations, Ed Ginsburg, Task Force Solutions (153)140
- Pulmonary Diagnostics: Are You In Control?, Donald Barker, Pulmonary Data Service (156)113
- Trends in Holter Monitoring, John A. Humphrey, Medata (151)102
- Turnkey Power Offers an Alternative, Peter S. Pulizzi, Pulizzi Engineering (153)146



Authors

- Ackerman, Scott W., A.S.E.E., and Peter Weith, M.B.A., B.S., Bio-Tek Instruments, Knowing Your Pulse Oximetry Monitors (151)82
- Aronson, Milton, Engineering Math—Dynamics, Part 6—Laplace Transformation (151)62
- Aronson, Milton, Engineering Math—Dynamics, Part 7—Laplace Transformation (continued) (152)59
- Ayoub, Ashraf, Peter Mowforth, Joseph Jin, Khursheed Moos, Tim Niblett, Paul Siebert, Colin Urquhart, and David Wray, 3D Imaging System for Clinical Applications (156)59
- Baines, Rupert, Analog Devices, Sigma-Delta Digitization Benefits Biomedical Measurements (152)66
- Barker, Donald, Pulmonary Data Service, Pulmonary Diagnostics: Are You in Control? (156)113
- Basilicato, Alfred N., Numonics, Digitizing Tablet for Treatment Planning (152)82
- Bennett, Henry L., Ph.D., and Stanley H. Kornhauser, Ph.D., Assessment of General Anesthesia by Facial Muscle Electromyography (FACE™) (153)94
- Bermani, David J., Desco Industries, ESD Isn't Going Away (151)129
- Bird, Anthony O., Atlantic Scientific Corporation, Surge Protective Devices for the Hospital Environment (154)60
- Bolan, Michael, Dallas Semiconductor, Silicon Labeling (151)72
- Bronstein, Michael, B.S., George S. Lechter, B.S., M.S., and Stanley H. Kornhauser, Ph.D., Magnets in the Treatment of Chronic Pain (152)86
- Brown, Fred, III, HEM Data, Frequency Domain Windowing: A Practical Guide (152)70
- Bublitz, Charles, Fluke Corporation, True rms Versus Average Responding DMMs (155)73
- Buchmann, Isidor, Cadex Electronics, Meeting the Needs of the Battery (154)70
- Burns, Michael P., R.N., Andrew R. Nara, M.D., Ph.D., and W. Gregory Downs, B.S.E., University Hospitals of Cleveland, Blood Pressure, Part 1—Arterial Pressure Pulses (155)45
- Burns, Michael P., R.N., Andrew R. Nara, M.D., Ph.D., and W. Gregory Downs, B.S.E., University Hospitals of Cleveland, Blood Pressure, Part 2—Cardiac Cycle (156)45
- Charlebois, Thomas F., Consulting International, and Roger C. Pelton, Intec Research Company, Quantitative 2D and 3D Schlieren Imaging for Acoustic Power and Intensity Measurements (153)66
- Cheung, Lim, Ph.D., and Robert Coe, M.S., Bennett X-Ray Technologies, Full-Field, Single-Exposure Digital Mammography (155)50
- Ciccone, Ralph J., III, M.D., and Stanley H. Kornhauser, Ph.D., Computerized Polysomnography (154)85
- Coe, Robert, M.S., and Lim Cheung, Ph.D., Bennett X-Ray Technologies, Full-Field, Single-Exposure Digital Mammography (155)50
- Cutrone, John, M.D., Stephen Lin, M.D., Harbor-UCLA Medical Center, Iraj Khalkhali, M.D., F.A.C.R., UCLA School of Medicine, Linda Diggles, C.N.M.T., and Frederick Mishkin, M.D., F.A.C.R., Scintimammography (154)54
- DeBernardis, Frank, EchoCath, New Technologies Improve Needle Biopsy Success (152)64
- Diggles, Linda, C.N.M.T., Iraj Khalkhali, M.D., F.A.C.R., UCLA School of Medicine, Stephen Lin, M.D., Harbor-UCLA Medical Center, John Cutrone, M.D., and Frederick Mishkin, M.D., F.A.C.R., Scintimammography (154)54
- Downs, W. Gregory, B.S.E., Andrew R. Nara, M.D., Ph.D., and Michael P. Burns, R.N., University Hospitals of Cleveland, Blood Pressure, Part 1—Arterial Pressure Pulses (155)45
- Downs, W. Gregory, B.S.E., Andrew R. Nara, M.D., Ph.D., and Michael P. Burns, R.N., University Hospitals of Cleveland, Blood Pressure, Part 2—Cardiac Cycle (156)45
- Evans, Ron, Datrend Systems, Infusion Delivery Systems (152)159
- Freund, Merrill, Laser Therapy (152)78
- Garner, Steven, M.D., and Stanley Kornhauser, Ph.D., State-of-the-Art Mammography Center (155)87
- Ginsburg, Ed, Task Force Solutions, Power Quality Observations (153)140
- Gorby, George, Gould Instrument Systems, Data Acquisition Systems and Test Resources (151)76
- Gray, Colin, Cavendish Scott, Choosing an ISO 9000 Registrar (153)64
- Hanna, Chris, A.L.I. Technologies, Are My Images Safely Stored? (155)125
- Hessel, Allen W., Scale-Tronix, Inc., The New Generation of Patient Weighing Systems (153)135
- Hogan, Jerry, and Bill Slack, Sussex Technical, Avoiding the Seven Sins of Power Supply Design (155)76
- Hoigaard, Jan C., SpectraScan, The Current Status of Static Control (151)131
- Horan, Judy, and Rodney Markin, M.D., Ph.D., University of Nebraska Medical Center, Medical Laboratory Automation (155)60
- Huffman, Kent, and Corrie Shaw, AT&T Capital, Test Equipment Acquisition Alternatives (154)74
- Humphrey, John A., Medata, Trends in Holter Monitoring (151)102
- Itil, Turan M., M.D., and Stanley H. Kornhauser, Ph.D., Psychiatric Electrophysiology: Medicine's Approach to the "Forgotten Brain" (153)88
- Jin, Joseph, Peter Mowforth, Ashraf Ayoub, Khursheed Moos, Tim Niblett, Paul Siebert, Colin Urquhart, and David Wray, 3D Imaging System for Clinical Applications (156)59
- Khalkhali, Iraj, M.D., F.A.C.R., UCLA School of Medicine, Stephen Lin, M.D., Harbor-UCLA Medical Center, John Cutrone, M.D., Linda Diggles, C.N.M.T., and Frederick Mishkin, M.D., F.A.C.R., Scintimammography (154)54
- Kirsch, Daniel L., Ph.D., D.A.A.P.M., and Stanley H. Kornhauser, Ph.D., Therapeutic Stimulation (156)78
- Kolkebeck, Ken, Tek-Air Systems, TB Isolation Room Airflow Control (156)66
- Kornhauser, Stanley H., Ph.D., and Daniel L. Kirsch, Ph.D., D.A.A.P.M., Therapeutic Stimulation (156)78

- Kornhauser, Stanley H., Ph.D., and Gerald Mazzola, M.S., *Anatomy of an Ambulatory Surgery Center* (152)92
- Kornhauser, Stanley H., Ph.D., and Gil Lederman, M.D., *Update in Stereotactic Radiosurgery* (154)77
- Kornhauser, Stanley H., Ph.D., and Gil Lederman, M.D., *A New Approach to Treatment for Acoustic Neuromas* (155)79
- Kornhauser, Stanley H., Ph.D., and Henry L. Bennett, Ph.D., *Assessment of General Anesthesia by Facial Muscle Electromyography (FACE™)* (153)94
- Kornhauser, Stanley H., Ph.D., and Lawrence A. Minkoff, Ph.D., *Imaging Extremities with the Magna-SL* (151)88
- Kornhauser, Stanley H., Ph.D., and Ralph J. Ciccone, III, M.D., *Computerized Polysomnography* (154)85
- Kornhauser, Stanley H., Ph.D., and Steven Garner, M.D., *State-of-the-Art Mammography Center* (155)87
- Kornhauser, Stanley H., Ph.D., and Turan M. Itil, M.D., *Psychiatric Electrophysiology: Medicine's Approach to the "Forgotten Brain"* (153)88
- Kornhauser, Stanley H., Ph.D., Michael Bronstein, B.S., and George S. Lechter, B.S., M.S., *Magnets in the Treatment of Chronic Pain* (152)86
- Lechter, George, S., B.S., M.S., Stanley H. Kornhauser, Ph.D., and Michael Bronstein, B.S., *Magnets in the Treatment of Chronic Pain* (152)86
- Lederman, Gil, M.D., and Stanley H. Kornhauser, Ph.D., *Update in Stereotactic Radiosurgery* (154)77
- Lederman, Gil, M.D., and Stanley H. Kornhauser, Ph.D., *A New Approach to Treatment for Acoustic Neuromas* (155)79
- Lehrbaum, Rick, *Ampro Computers, PC/104-Based Medical Systems* (156)52
- Lempert, Philip, M.D., *Cognitive and Visual Function Testing* (152)75
- Lin, Stephen, M.D., Harbor-UCLA Medical Center, Iraj Khalkhali, M.D., F.A.C.R., UCLA School of Medicine, John Cutrone, M.D., Linda Diggles, C.N.M.T., and Frederick Mishkin, M.D., F.A.C.R., *Scintimammography* (154)54
- MacPherson, Frank B., III, KNF Neuberger, *Difficult Industry Trends Demand A New Approach* (152)157
- Markin, Rodney, M.D., Ph.D., University of Nebraska Medical Center, and Judy Horan, *Medical Laboratory Automation* (155)60
- Matteson, Ben, Anthro Corporation, *Choosing the Right Cart Solution* (154)132
- Mauriello, Tony, EMI Design Requirements (151)80
- Mazzola, Gerald, M.S., and Stanley H. Kornhauser, Ph.D., *Anatomy of an Ambulatory Surgery Center* (152)92
- McNutt, Douglas P., Ph.D., Smith Research & Technology, *Power Measurement, Harmony 101 for Power Users and Suppliers* (153)74
- Minkoff, Lawrence A., Ph.D., and Stanley H. Kornhauser, Ph.D., *Imaging Extremities with the Magna-SL* (151)88
- Mishkin, Frederick, M.D., F.A.C.R., Stephen Lin, M.D., Harbor-UCLA Medical Center, Iraj Khalkhali, M.D., F.A.C.R., UCLA School of Medicine, John Cutrone, M.D., and Linda Diggles, C.N.M.T., *Scintimammography* (154)54
- Moos, Khursheed, Joseph Jin, Peter Mowforth, Ashraf Ayoub, Tim Niblett, Paul Siebert, Colin Urquhart, and David Wray, *3D Imaging System for Clinical Applications* (156)59
- Mowforth, Peter, Ashraf Ayoub, Joseph Jin, Khursheed Moos, Tim Niblett, Paul Siebert, Colin Urquhart, and David Wray, *3D Imaging System for Clinical Applications* (156)59
- Nara, Andrew R., M.D., Ph.D., W. Gregory Downs, B.S.E., and Michael P. Burns, R.N., *University Hospitals of Cleveland, Blood Pressure, Part 1—Arterial Pressure Pulses* (155)45
- Nara, Andrew R., M.D., Ph.D., W. Gregory Downs, B.S.E., and Michael P. Burns, R.N., *University Hospitals of Cleveland, Blood Pressure, Part 2—Cardiac Cycle* (156)45
- Nelson, Jeff, 3M Medical Imaging Systems, *Digital Technology's Increasing Role in Medical Imaging* (152)125
- Niblett, Tim, Joseph Jin, Peter Mowforth, Ashraf Ayoub, Khursheed Moos, Paul Siebert, Colin Urquhart, and David Wray, *3D Imaging System for Clinical Applications* (156)59
- Pelton, Roger C., Intec Research Company, and Thomas F. Charlebois, Consulting International, *Quantitative 2D and 3D Schlieren Imaging for Acoustic Power and Intensity Measurements* (153)66
- Pettijohn, David, Accucore, *How Real-Time Networks Relate to Medicine* (153)59
- Pulizzi, Peter S., Pulizzi Engineering, *Turnkey Power Offers an Alternative* (153)146
- Rawlings, Charles A., Ph.D., C.C.E., *Electrocardiography, Part 6—Electrodes and Electrolytes* (151)54
- Rawlings, Charles A., Ph.D., C.C.E., *Electrocardiography, Part 7—Amplifiers* (152)53
- Rawlings, Charles A., Ph.D., C.C.E., *Electrocardiography, Part 8—Displays* (153)53
- Rawlings, Charles A., Ph.D., C.C.E., *Electrocardiography, Part 9—Miscellaneous Concepts and Information from Electrocardiograms* (154)45
- Shaw, Corrie, and Kent Huffman, AT&T Capital, *Test Equipment Acquisition Alternatives* (154)74
- Siebert, Paul, Joseph Jin, Peter Mowforth, Ashraf Ayoub, Tim Niblett, Khursheed Moos, Colin Urquhart, and David Wray, *3D Imaging System for Clinical Applications* (156)59
- Siedband, Melvin P., Ph.D., P.E., Gammex RMI, *The Need for Dose-Area-Product Meters* (151)108
- Slack, Bill, and Jerry Hogan, Sussex Technical, *Avoiding the Seven Sins of Power Supply Design* (155)76
- Slye, Debra Anne, M.N., R.N., Space-Labs Medical, *Customized Monitoring Systems* (151)68
- Steven, Peter M., Ph.D., DOME Imaging Systems, Inc., *Image Integrity and Medical Display Systems* (154)63
- Sweitzer, Michael C., Siemens Medical Systems, *MR Applications Drive Technological Advances* (155)110

Teninty, Dan, P.E., and Howard T. Voorheis, P.E., Fluke, Electrical Safety and DMMs (156)64

Tschirn, Wayne, Comdisco Medical Exchange, ISO 9002 Certification and Reconditioned Medical Equipment (156)72

Urquhart, Colin, Joseph Jin, Peter Mowforth, Ashraf Ayoub, Tim Niblett, Khursheed Moos, Paul Siebert, and David Wray, 3D Imaging System for Clinical Applications (156)59

Voorheis, Howard T., P.E., and Dan Teninty, P.E., Fluke, Electrical Safety and DMMs (156)64

Webster, Dan, DITEC, Digital Image Processing and Image Evaluation (155)63

Weith, Peter, M.B.A., B.S., and Scott W. Ackerman, A.S.E.E., Bio-Tek Instruments, Knowing Your Pulse Oximetry Monitors (151)82

Wray, David, Joseph Jin, Peter Mowforth, Ashraf Ayoub, Tim Niblett, Khursheed Moos, Colin Urquhart, and Paul Siebert, 3D Imaging System for Clinical Applications (156)59

Miscellaneous

Book News (151)61, (152)91, (153)87, (154)53, (155)72, (156)88

Calendar (151)61, (152)42, (153)50, (154)37, (155)72, (156)88

Industry News (151)53, (152)44, (153)42, (155)62, (156)77

Safety Newsletter (151)92, (152)84, (155)58

Buyers' Guides

Anesthesia and Oxygen Equipment (154)112

Apnea Monitors (153)119

Batteries (154)119

Blood Chemistry (154)125

Blood Flowmeters (152)136

Blood Pressure Monitors (152)140

Cardiac Output Meters (152)104

Cardiac Simulators (156)91

Carts (154)127

Catheters and Catheterization Systems (155)93

Conventional X-Ray, Fluoroscopy (151)105

CT Scanners (156)101

Defibrillators (155)99

Diagnostic Software (155)136

DSO (Digital Storage Oscilloscopes) (152)150

ECG Recorders (152)106

ECG Telemetry (153)102

EEG, EMG, Brain Function Monitors (153)123

Electrical Safety and Test Equipment (156)117

Electrodes (155)138

Electronic Thermometers (153)127

Electrostatic Discharge (151)125

External Pacemaker Testers (153)106

Film, Film Processors, Film Changers (152)122

Fluid Delivery Systems, Pumps (152)156

Heart Rate Meters, Pulse Meters (154)93

Holter ECG (151)98

Hospital Information Systems (151)142

Image Processing Systems, Video Printers (154)102

Interpretive ECG Analyzers (154)96

Intracranial Pressure Monitoring (155)147

Laser Surgery/Electrosurgery (151)133

Linear Array Recorders (154)133

Magnetic Resonance Imaging (155)105

Mammography (155)112

Neonatal and Pediatric Equipment (156)125

Nuclear Medicine Imaging (152)130

Oximetry/Blood Gas (155)127

Pacemakers (152)115

PACS/Teleradiology (155)119

Patient Monitors (155)149

Patient Scales (153)132

Private Practice Management Systems (152)161

Pulmonary Function Equipment, Spirometers (156)108

Radiation Detection (151)111

Respiratory Care, Resuscitators, Ventilators (151)117

Signal Generators (156)132

Stimulators (Muscle, Nerve, TENS) (154)137

Stress Test Systems—Treadmills, Ergometers (156)95

Tape Recorders (156)135

Transient Protectors, Power Conditioners (153)136

Ultrasound (153)109

